

Tennessee Department of Environment and Conservation TVA Kingston Response and Monitoring Plan - Air Monitoring

Air Monitoring Plan

Thus far, the ash slide has been in a mud-like state. This ash material contains a significant amount of water and is expected to stay that way for some time. Current rainfall events are keeping the ash moist. Because of this, an air pollution problem is extremely unlikely. Ultimately, it will begin to dry and dust from excavation, transport and track out from the site to public roadways will become a concern.

TVA and EPA have conducted air sampling during these mud-like conditions and the amount of air contaminants detected have been minimal. TDEC is evaluating this data with the goal in mind of oversight air monitoring.

This oversight will be accomplished in several ways:

- Splitting samples collected by TVA with TVA to independently analyze their makeup and comparing the results.
- Quality assurance of the TVA operated monitors by TDEC staff to ensure that the sample volumes reported by monitors are true and accurate.
- Installing at least one co-located TDEC air monitor at a TVA monitoring site to compare sampling and analysis results.
- TDEC already operates a continuous air monitoring site in Harriman, approximately 2.5 miles from the ash slide.

The location of the TDEC monitors will be in locations that in TDEC's judgment represent the worst-case air concentrations. If those sites are showing no problems, it will be generally safe to assume all other sites are all right. If the need for additional monitors rises, they will be installed.

We anticipate this air monitoring plan will need to be reviewed and updated over time. This plan will evolve to reflect facts and information gathered as the situation changes and progress is made.